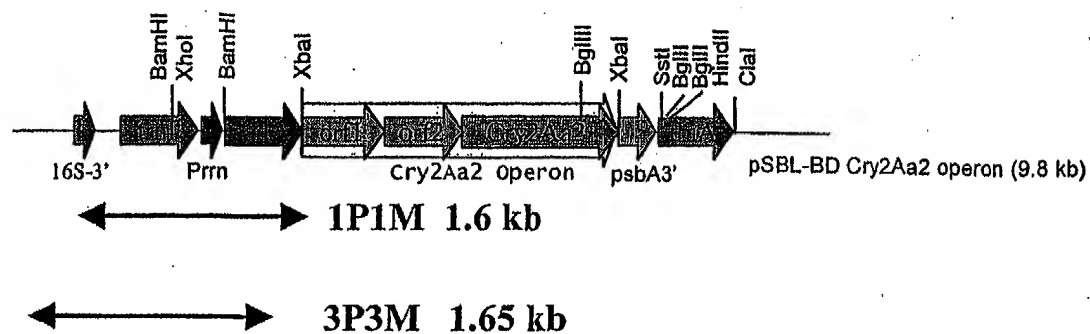
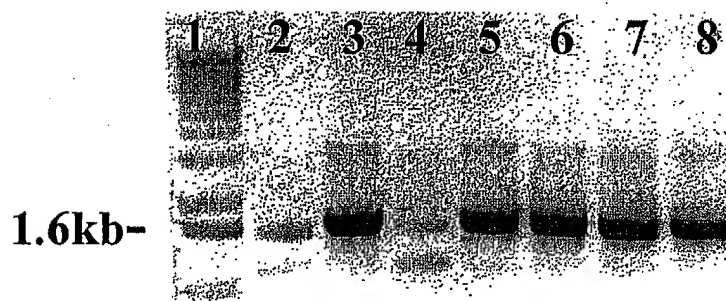


A.



B.



C.

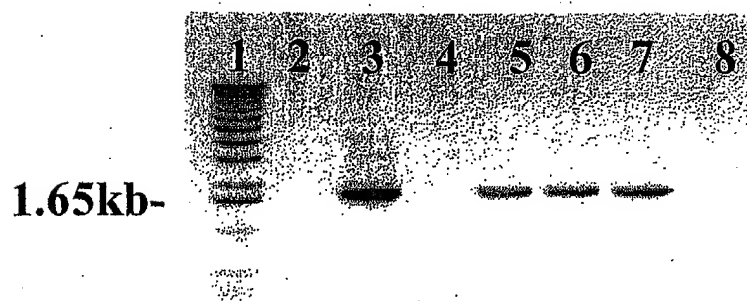


FIG 1

The diagram shows a linear map of the *trnA* gene region. A double-headed arrow at the top indicates a total length of 4.47 kb. Below this, a horizontal line represents the DNA sequence. From left to right, it features a BglII restriction site (indicated by a vertical line with a cross), a 16S rRNA gene (represented by a light blue arrow pointing right), a trnI gene (represented by a light blue arrow pointing right), a trnA gene (represented by a light blue arrow pointing right), and another BglII site. A probe, represented by a black arrow pointing left, is located within the trnA gene, 0.81 kb from the right BglII site. The trnI and trnA genes are separated by a small gap.

Genetic map of the 16S-trnI-rrn2A2-rrn2B2-trnT operon. The map shows the 16S rRNA gene, trnI, rrn2A2, and rrn2B2 genes, and the trnT gene. Restriction sites for PstI and BglII are indicated. The distance between the PstI site and the BglII site is 8.42 kb, and the distance between the BglII site and the trnT gene is 1.4 kb.

8.42 kb---
4.47 kb---
1.4 kb---

1 2 3 4 5 6 7 8 9

T₀ T₁

FIG 2

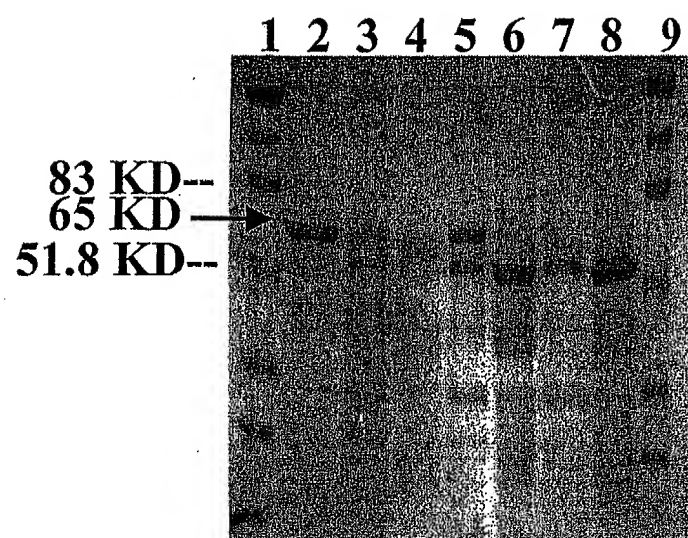
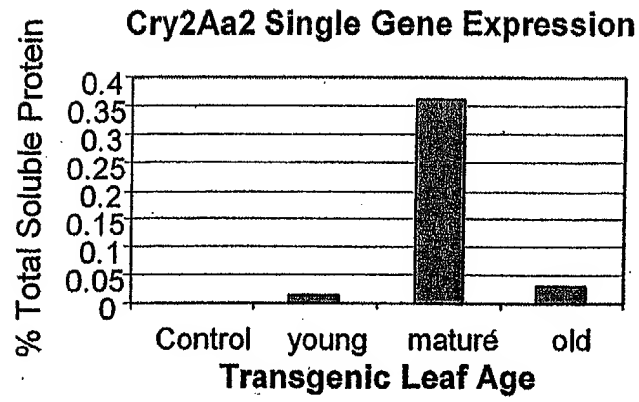


FIG 3

A.



B.

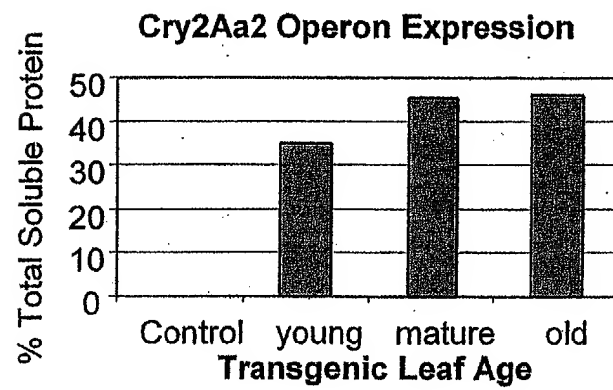


FIG 4

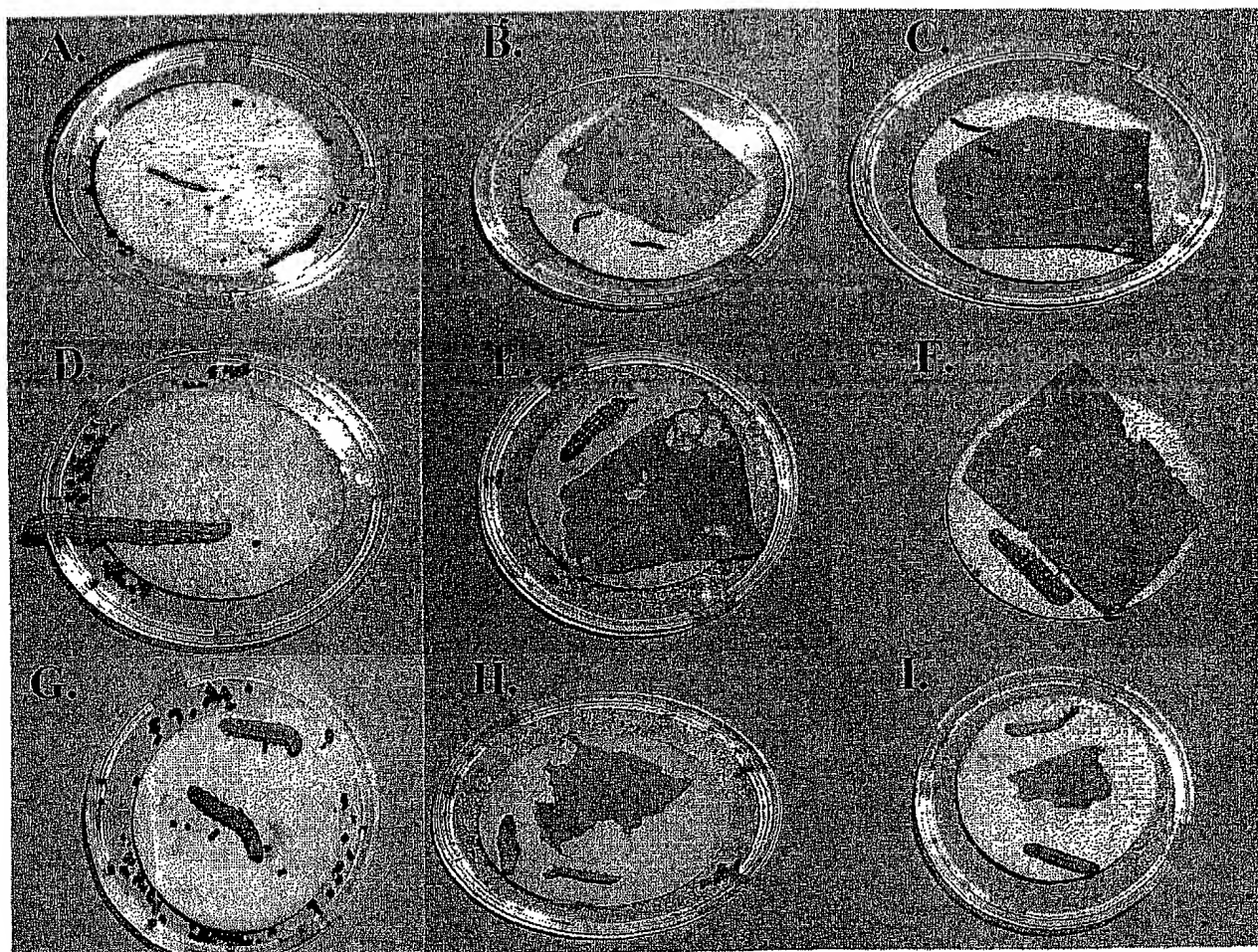


FIG 5

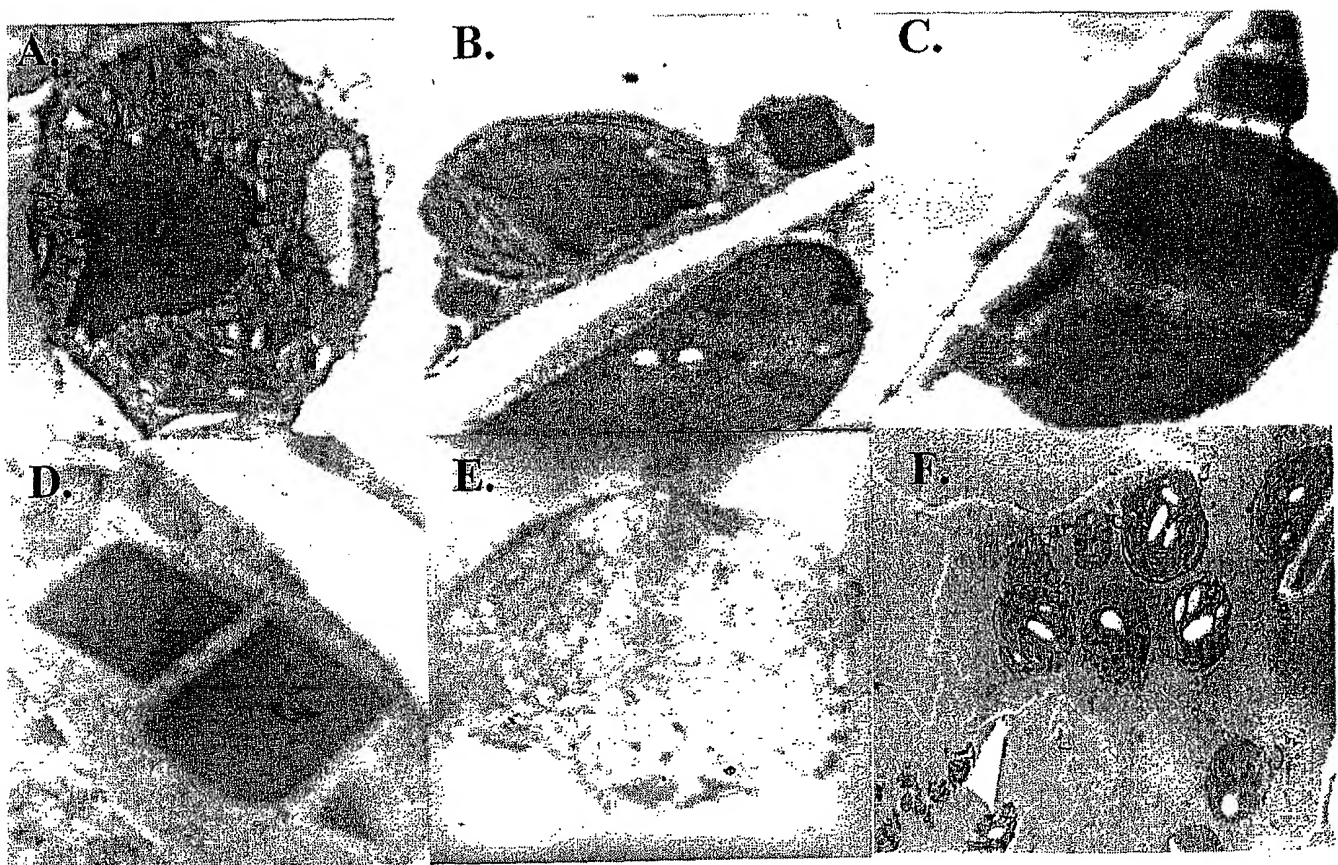


FIG 6



FIG 7

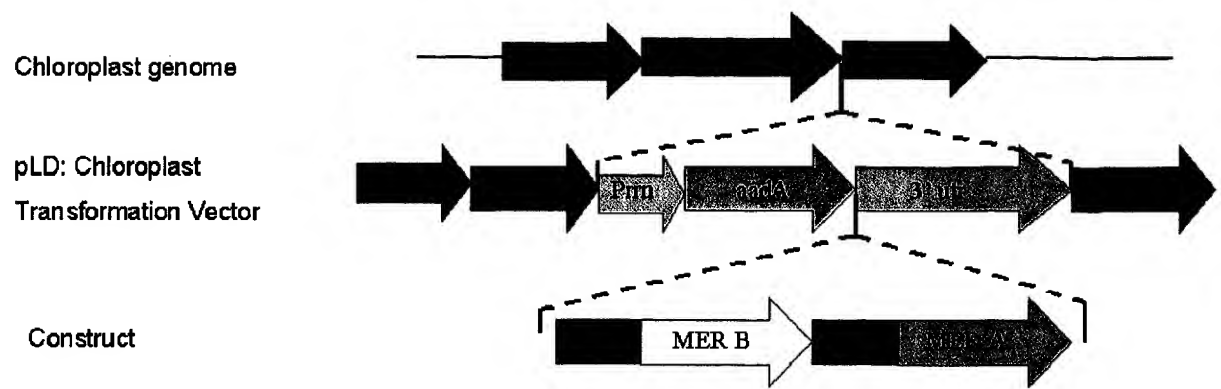


FIG 8

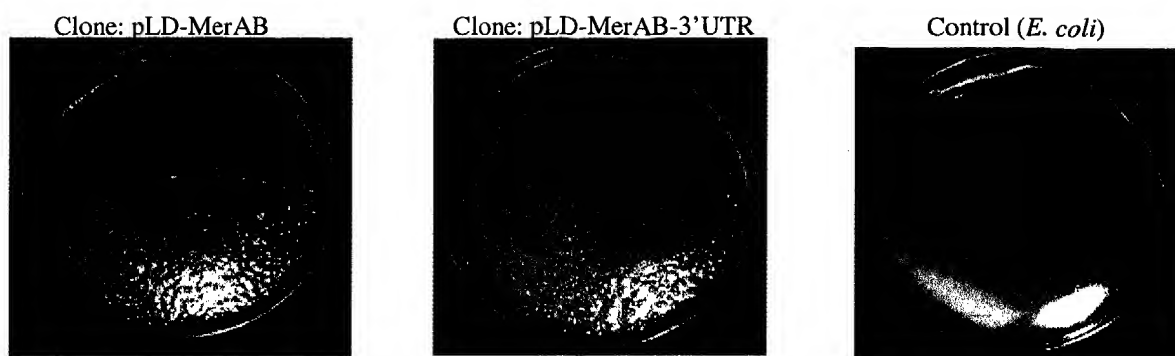


FIG 9

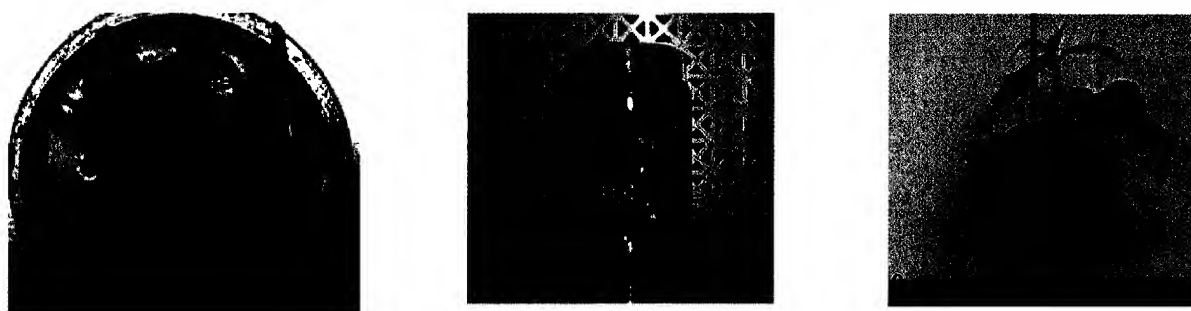


FIG 10

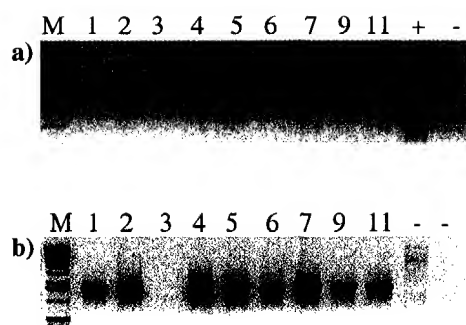


FIG 11

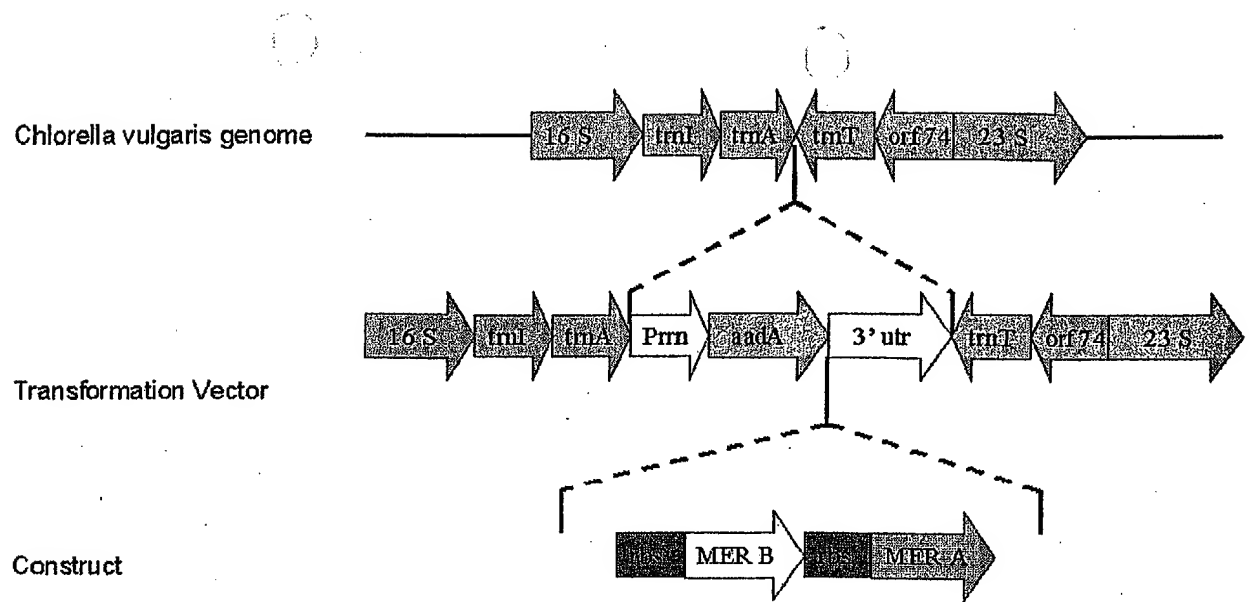


FIG 12

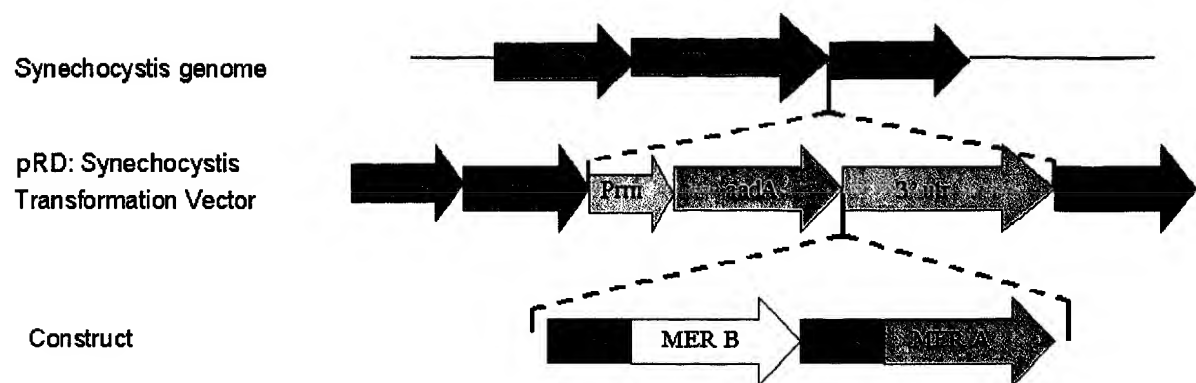


FIG 13

Plastid vector Construction of Lemna

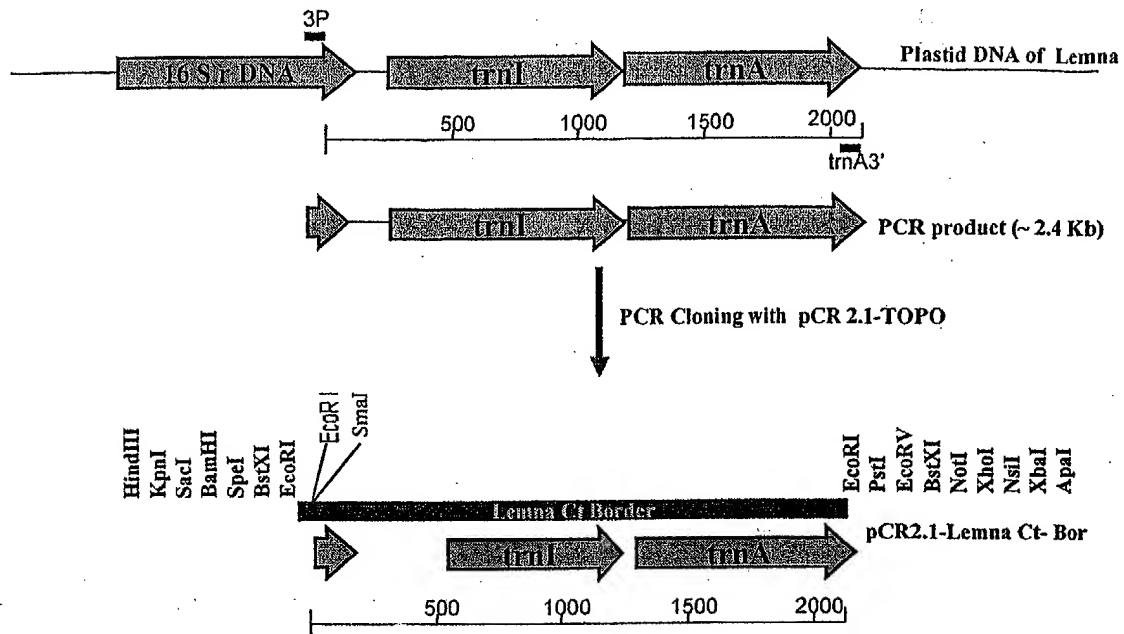


FIG 14

Plastid vector Construction of Sugarcane

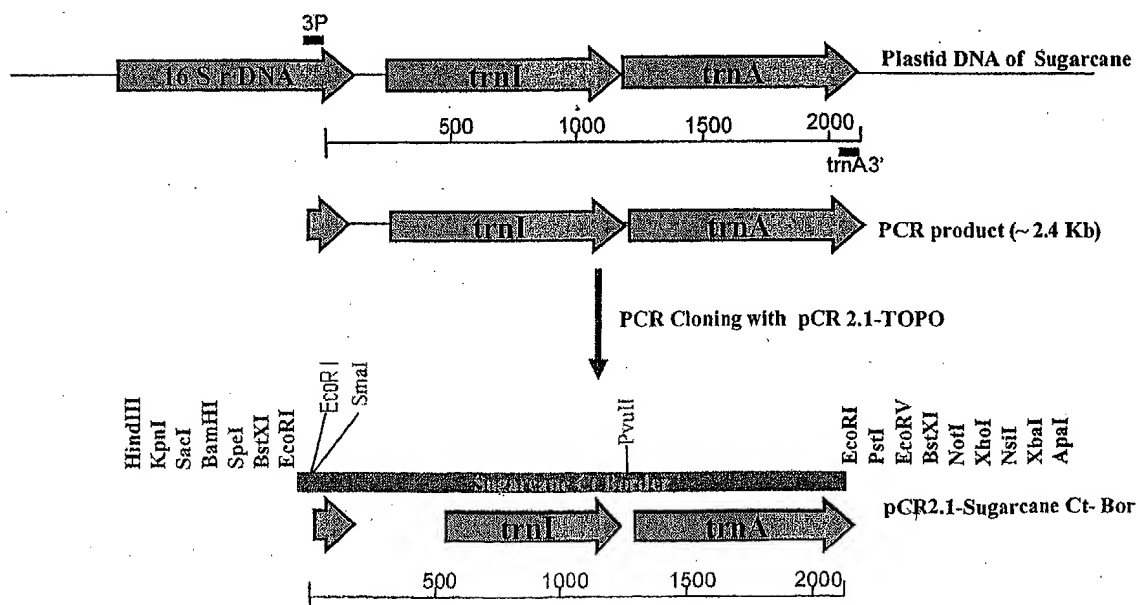
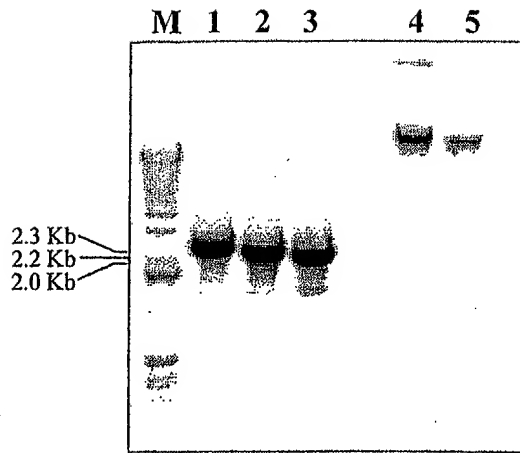


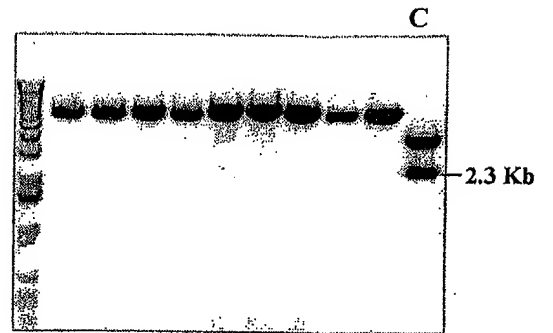
FIG 15

FIG 16



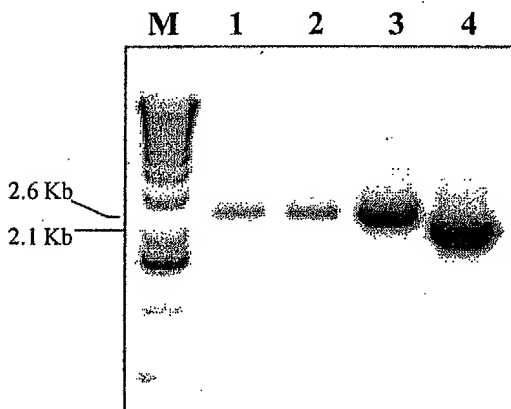
M:1 kb ladder
1:Lemna:3P/trnA3'
2:Tobacco 3P/trnA3'
3:Lemna:Os6P/Os6M
4:1µl Total DNA Lemna
5:1µl Total DNA Tobacco

Lemna



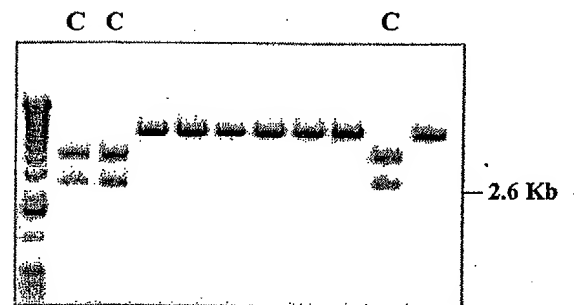
pCR21-Lemna Ct-Border
SmaI/EcoRV

C:Correct



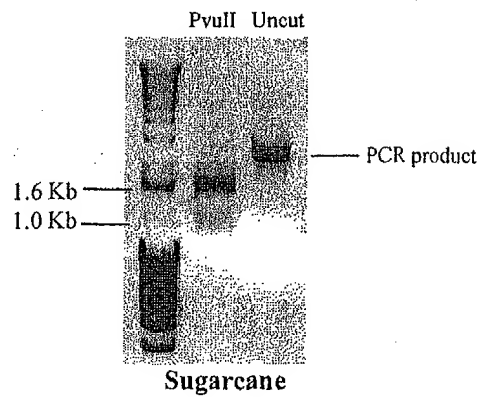
M:1 kb ladder
1:Q117:3P/trnA3'
2:Q124 3P/trnA3'
3:Q155:3P/trnA3
4: Tobacco 3P/trnA3'

Sugarcane



pCR21-Sugarcane Ct-Border
SmaI/EcoRV

FIG 17



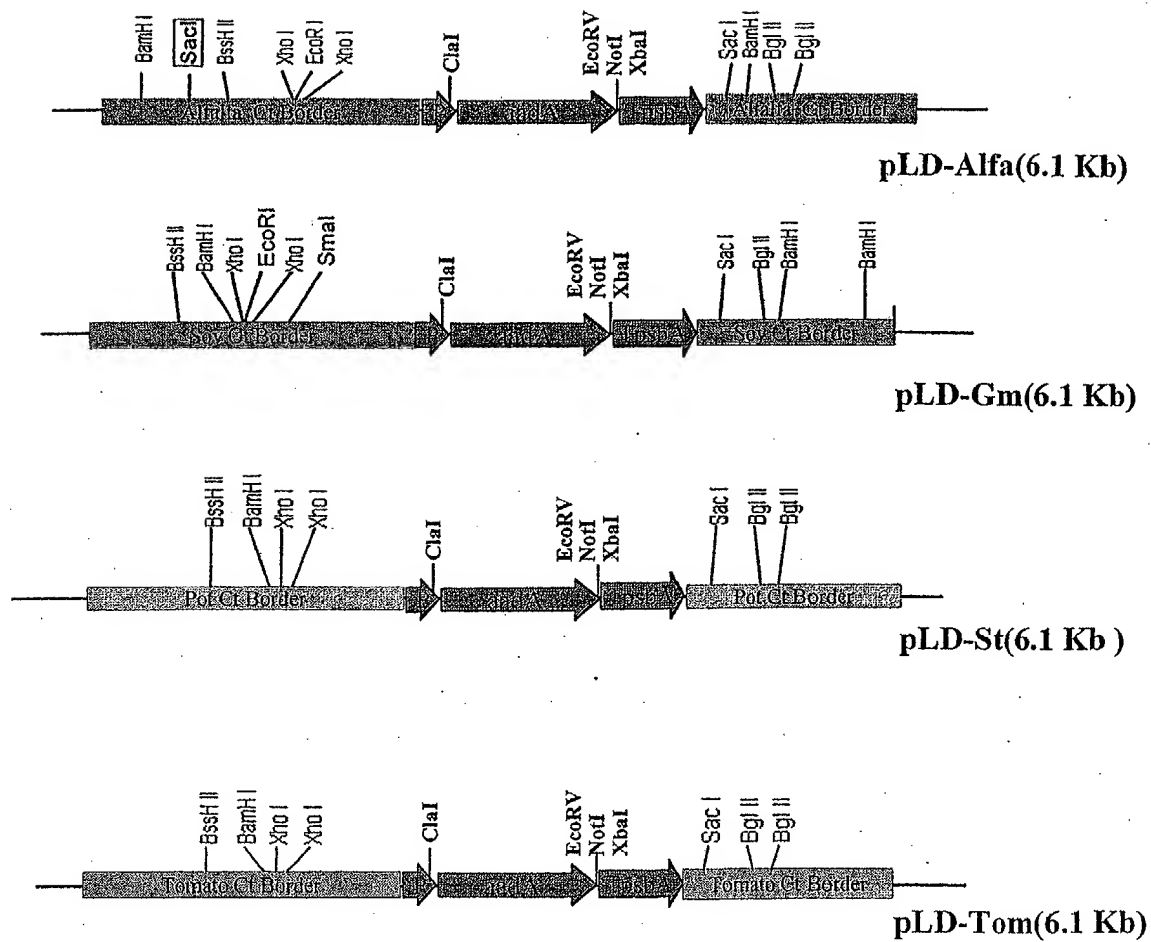


FIG 18A

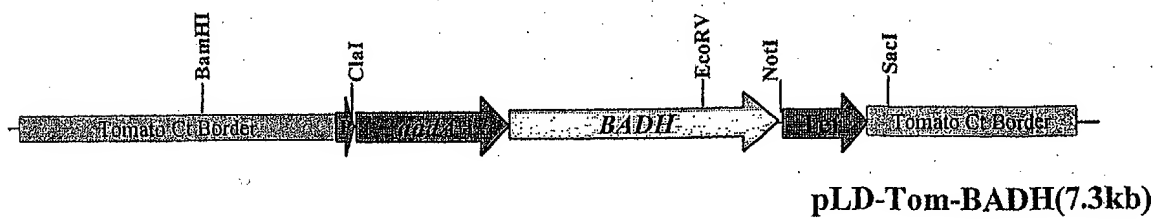
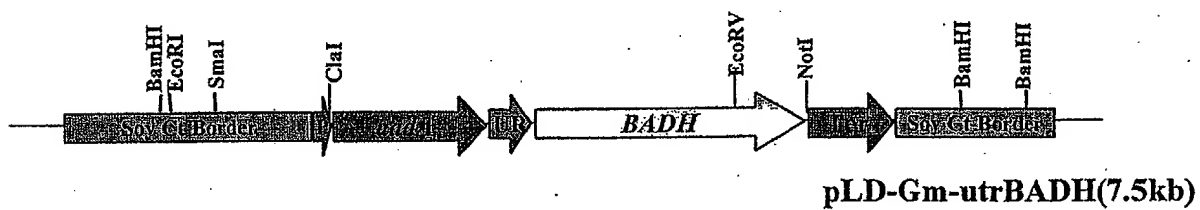
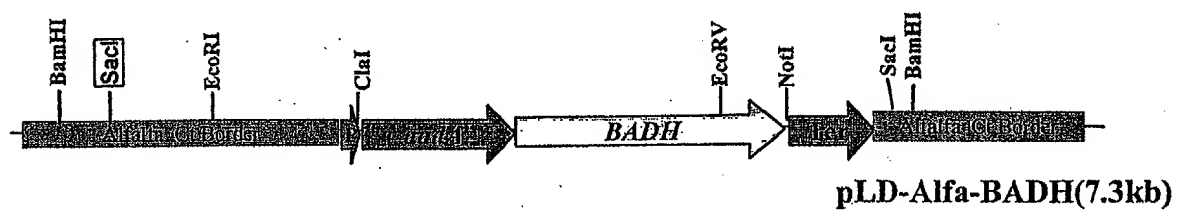
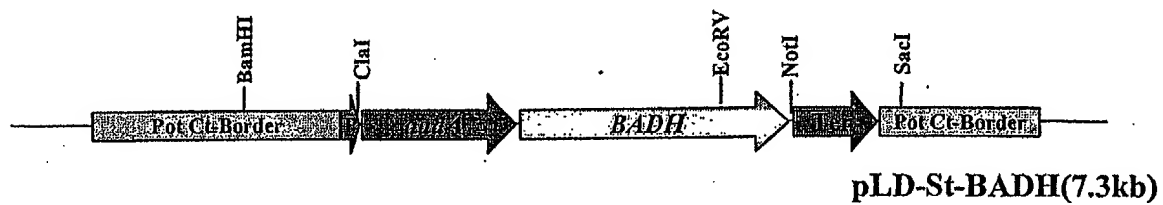
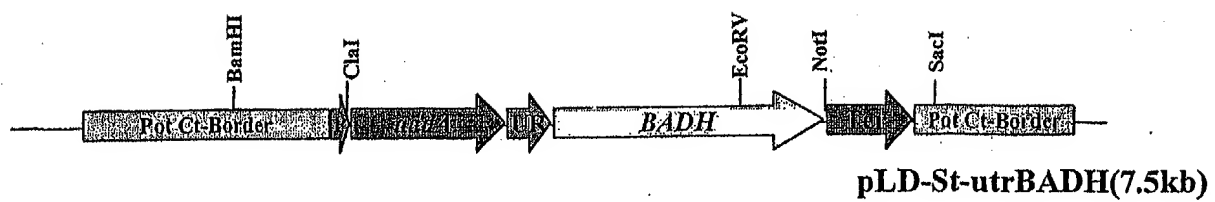


FIG 18B